



Agenda

1. Welcome and Introductions
2. Project Milestones/Update
3. Project Prioritization Factors
4. Draft Bicycle Network: West Alexandria
5. Public Comment
6. Committee Member Updates
7. Next Steps



Project Milestones/Update



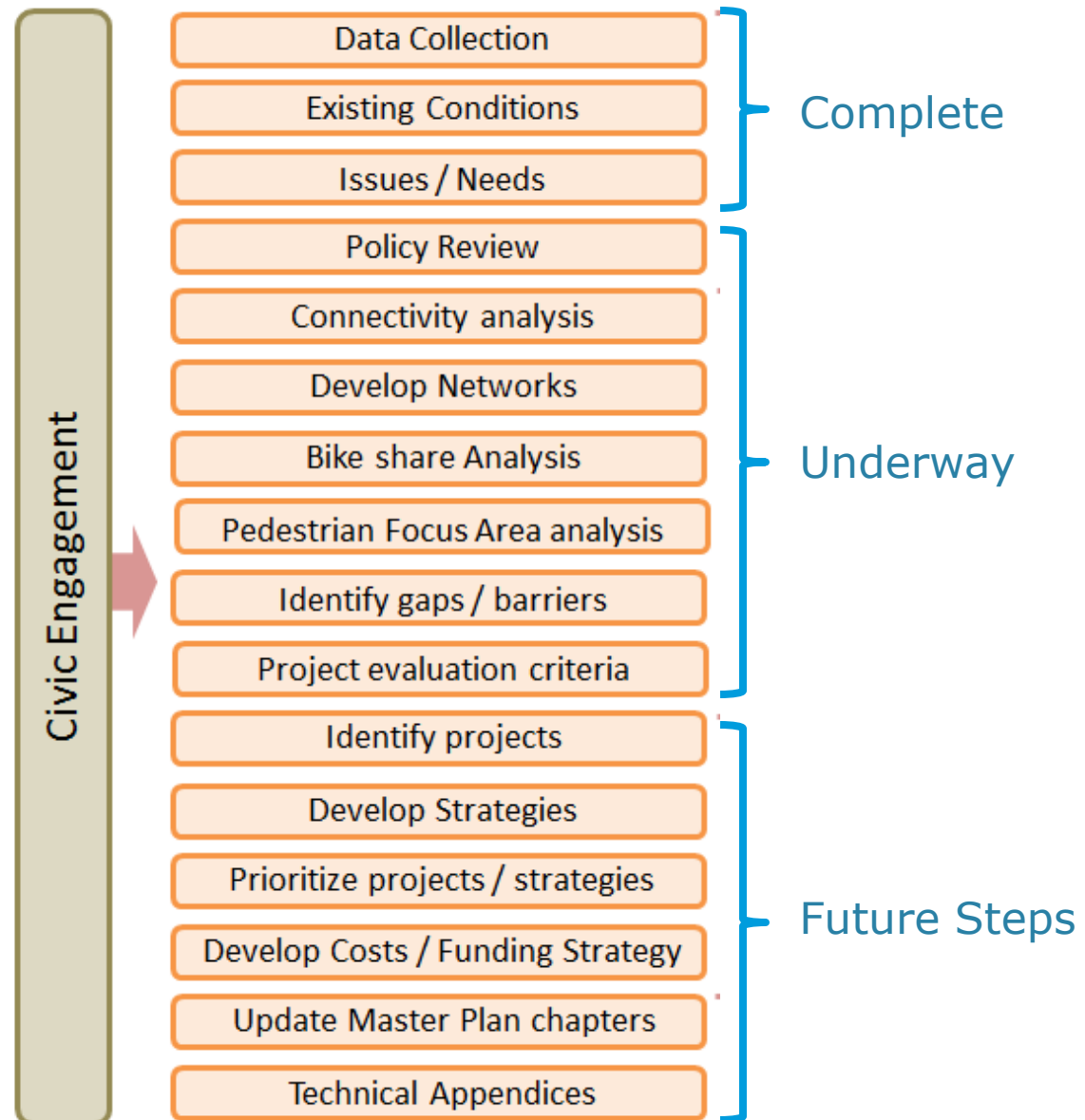
Pedestrian and Bicycle Master Plan Update Ad Hoc Advisory Committee

April 16, 2015



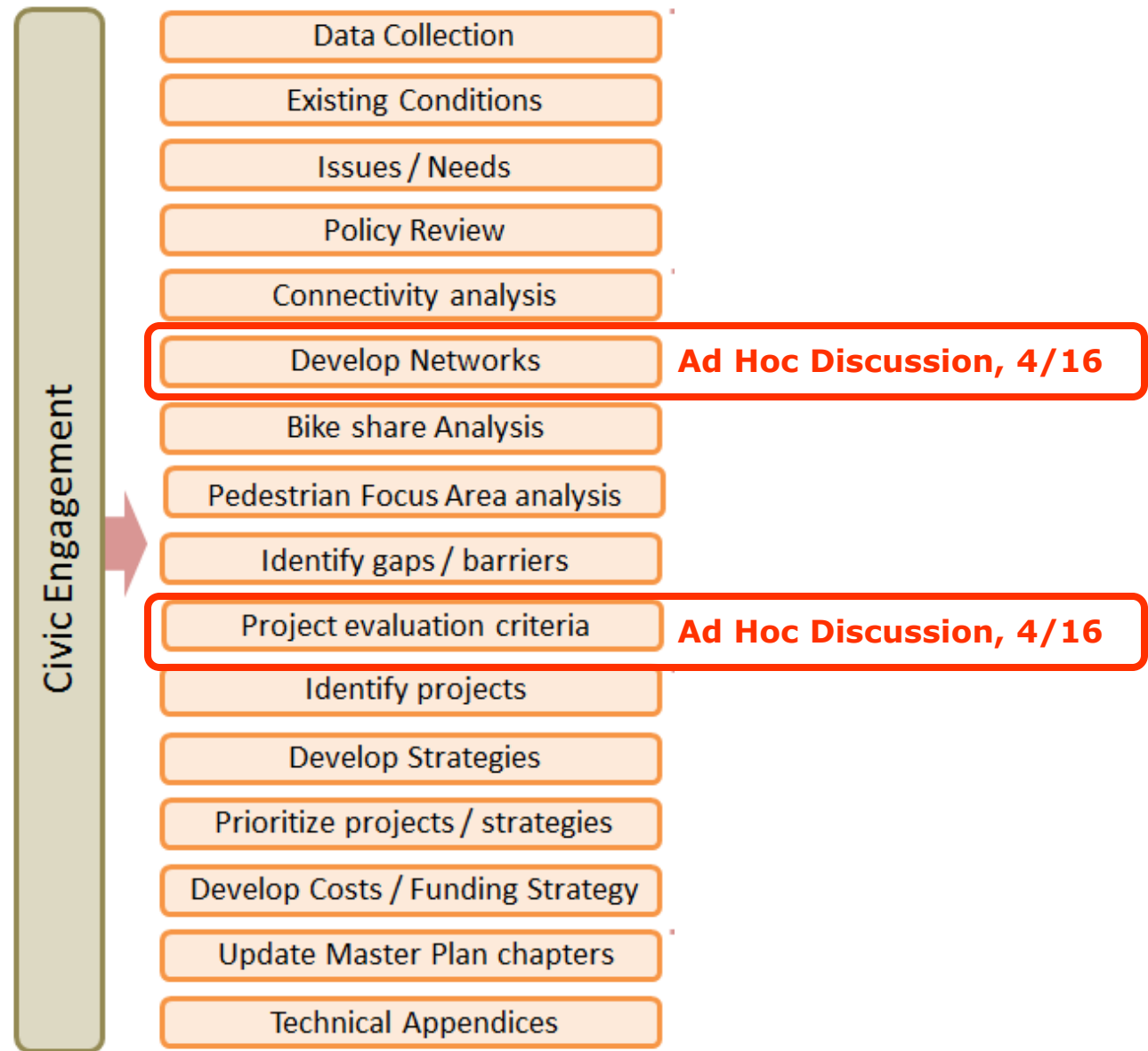


Project Milestones/Tasks





Project Milestones/Tasks





Prioritization Factors



Why Prioritize?

- Represents community values
- Lots of needs, but limited resources
- Need to make wise choices about how resources are used
- Need to communicate choices to others
- Need to build public/political support for action
- May be required for funding purposes



Prioritization Process

1. Select prioritization factors (i.e. safety)
2. Apply “weight” to factors – reflecting which are more important to the community
3. Identify variables for each factor (i.e. injuries, fatalities)
 - i. depends on data availability and reliability
4. Run analysis
5. Create ranked list of projects



Prioritization Process

**Ad Hoc Focus
4/16**

1. Select prioritization factors (i.e. safety)
2. Apply “weight” to factors – reflecting which are more important to the community
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 - i. depends on data availability and reliability
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Prioritization Factors

- Recommend no more than 3-5
- If more factors are used, dilutes impact of any one factor
- “Opportunity” used to prioritize project implementation on an ongoing basis

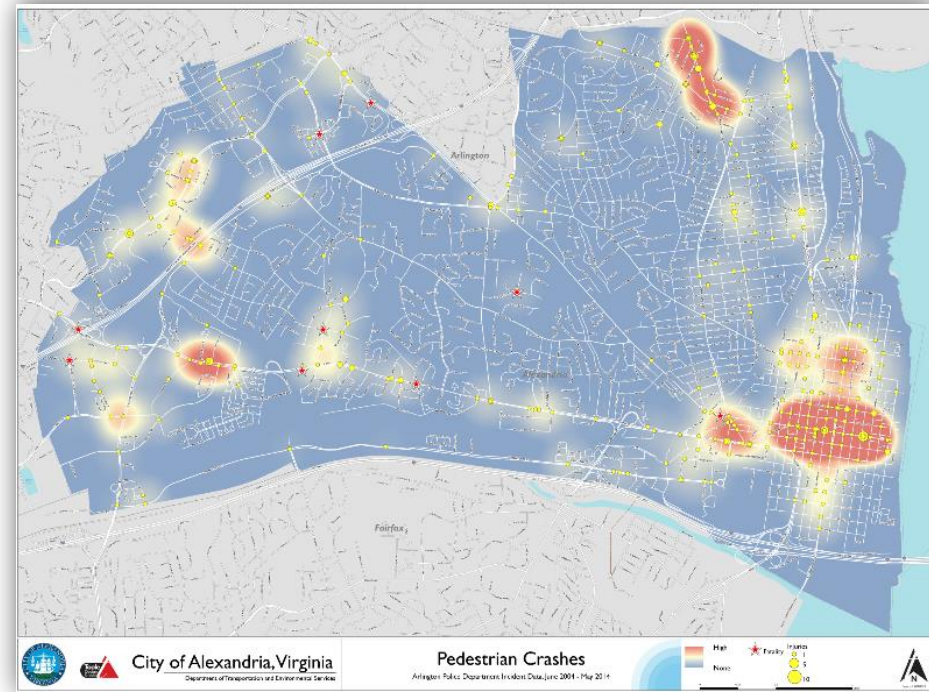
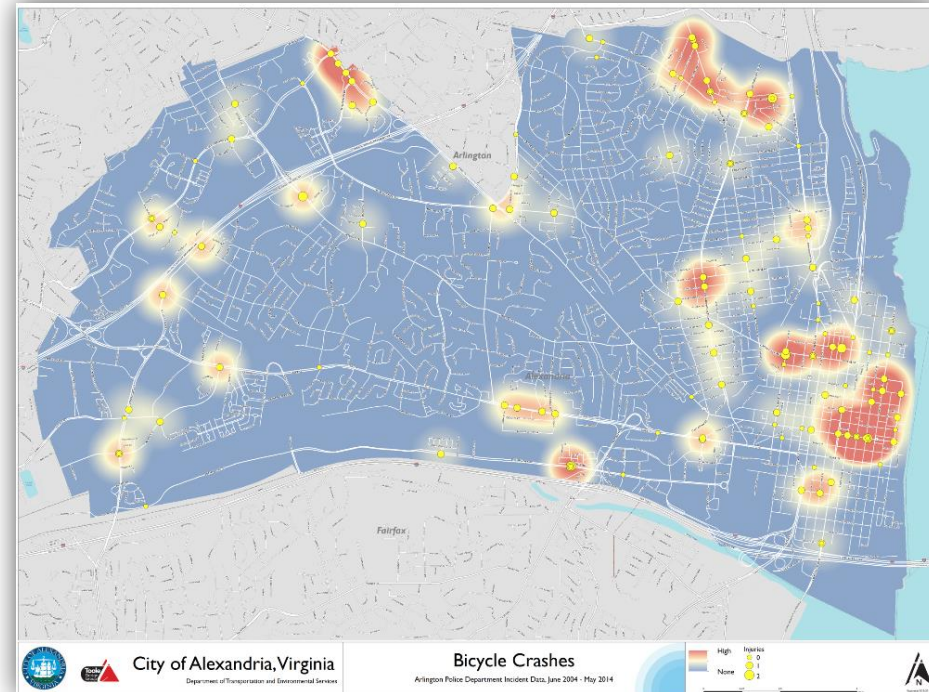
Recommended Factors for Alexandria Bicycle Projects:

- Safety
- Existing or Potential Demand
- Connectivity
- Geography

Factor: Safety

Variables

- Total bicycle crashes
- Total bicycle fatalities
- Traffic speed
- Traffic volume & mix
 - percent trucks and transit vehicle

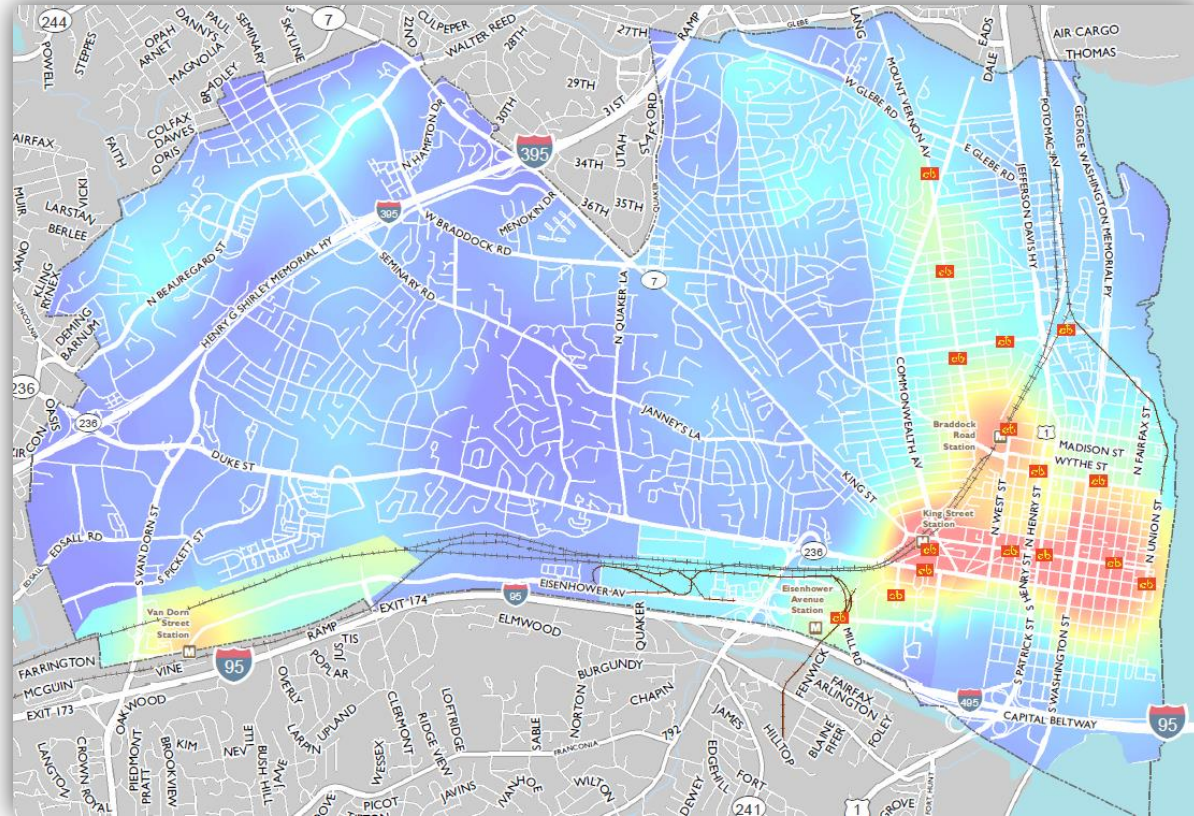


Factor: Existing or Potential Demand



Variables

- Land Use
Types/Categories
 - Use City's Walkability Index
- Population & Employment density
- Proximity to schools, Metro station, bike share stations
- Ridership counts
- Other attractors/factors?

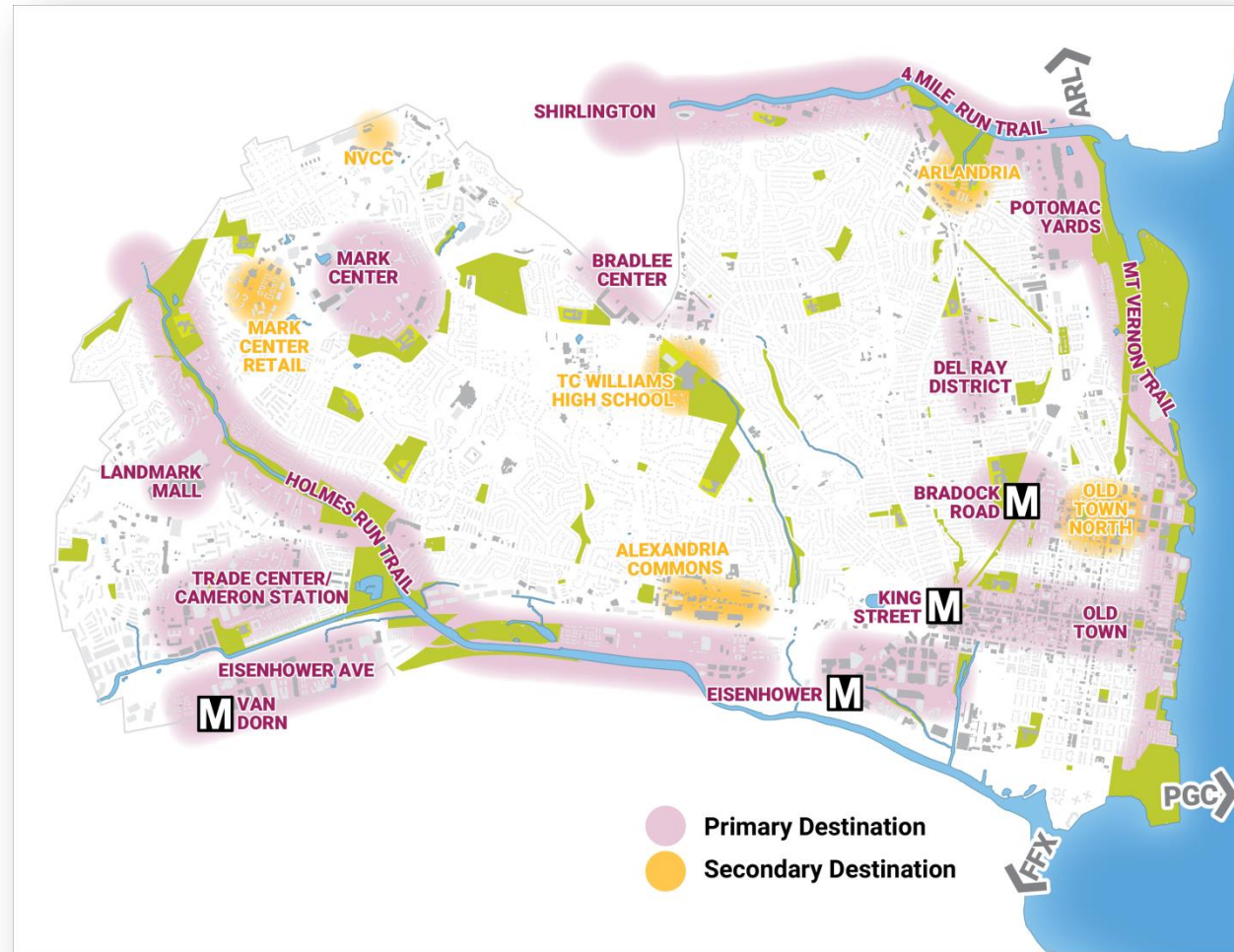


Factor: Connectivity



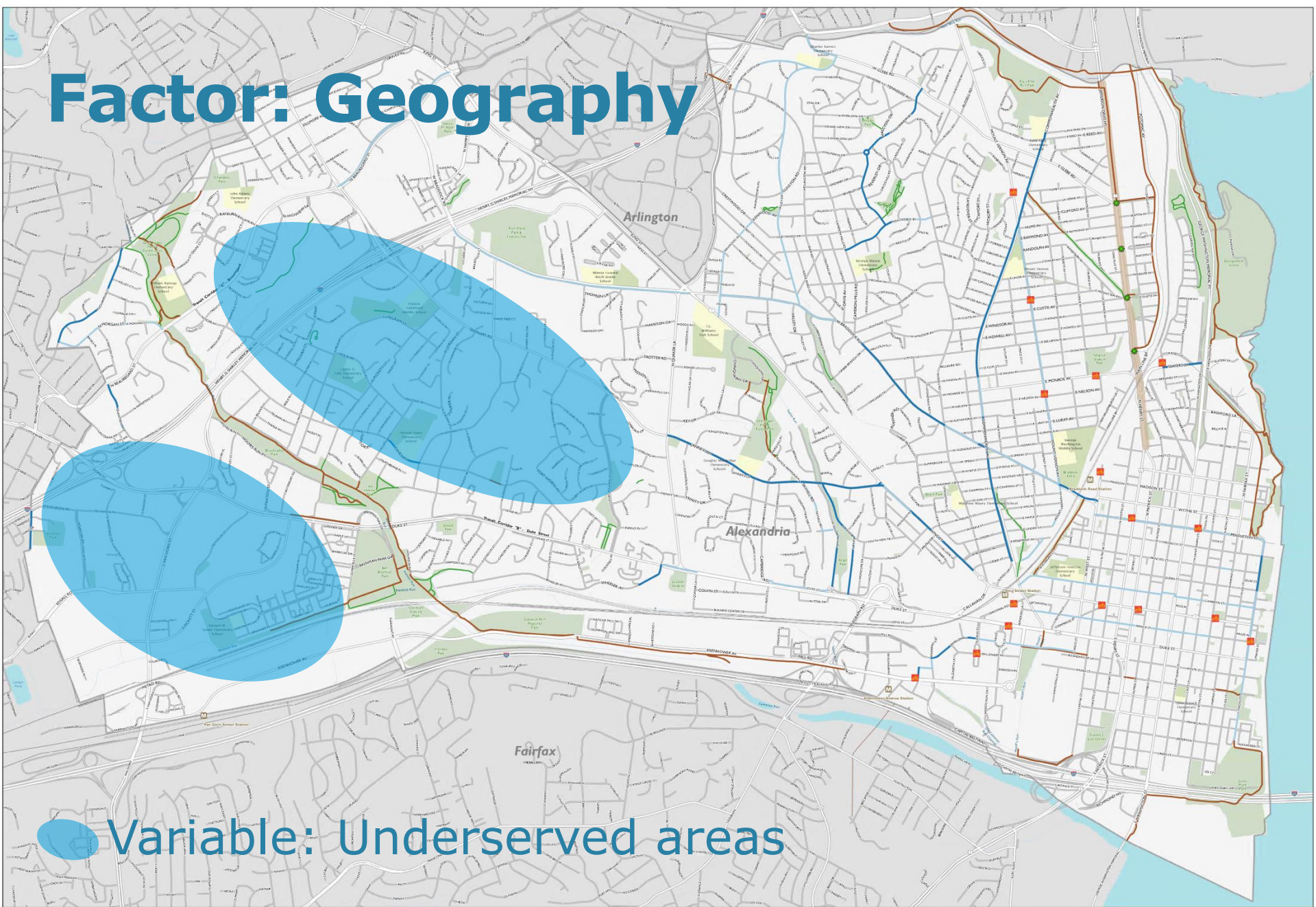
Variables

- Existing bicycle facility (on or off road)
- Primary or Secondary destination
- School or park
- Capital Bikeshare
- Other?



Factor: Geography

Variable: Underserved areas



City of Alexandria, Virginia
Department of Transportation and Environmental Services

Pedestrian and Bicycle Master Plan Existing Facilities





Weighting the Factors

- 11 responses to the Ad Hoc Survey
- Findings:

Factor Ranking	Score
1. Safety (incl. bicycle crashes and fatalities, and traffic speed and volume)	36
2. Demand (incl. land use, density, and schools, metro, etc.)	30
3. Connectivity (incl. proximity to existing bikeway, connection to key destinations)	27
4. Geography (incl. areas that currently lack bike facilities)	17



Committee Discussion:

Now that we've reviewed the prioritization process, what is your feedback on the ranking of the prioritization factors?



Draft Bicycle Network

Draft Bicycle Network



- **Vision, Goals and Objectives:**

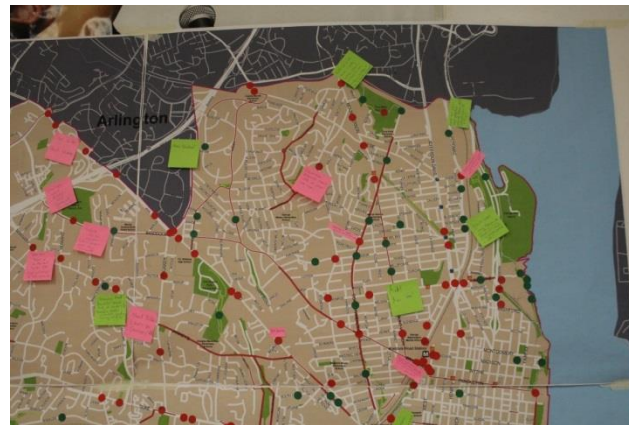
Engineering Objective 2.1

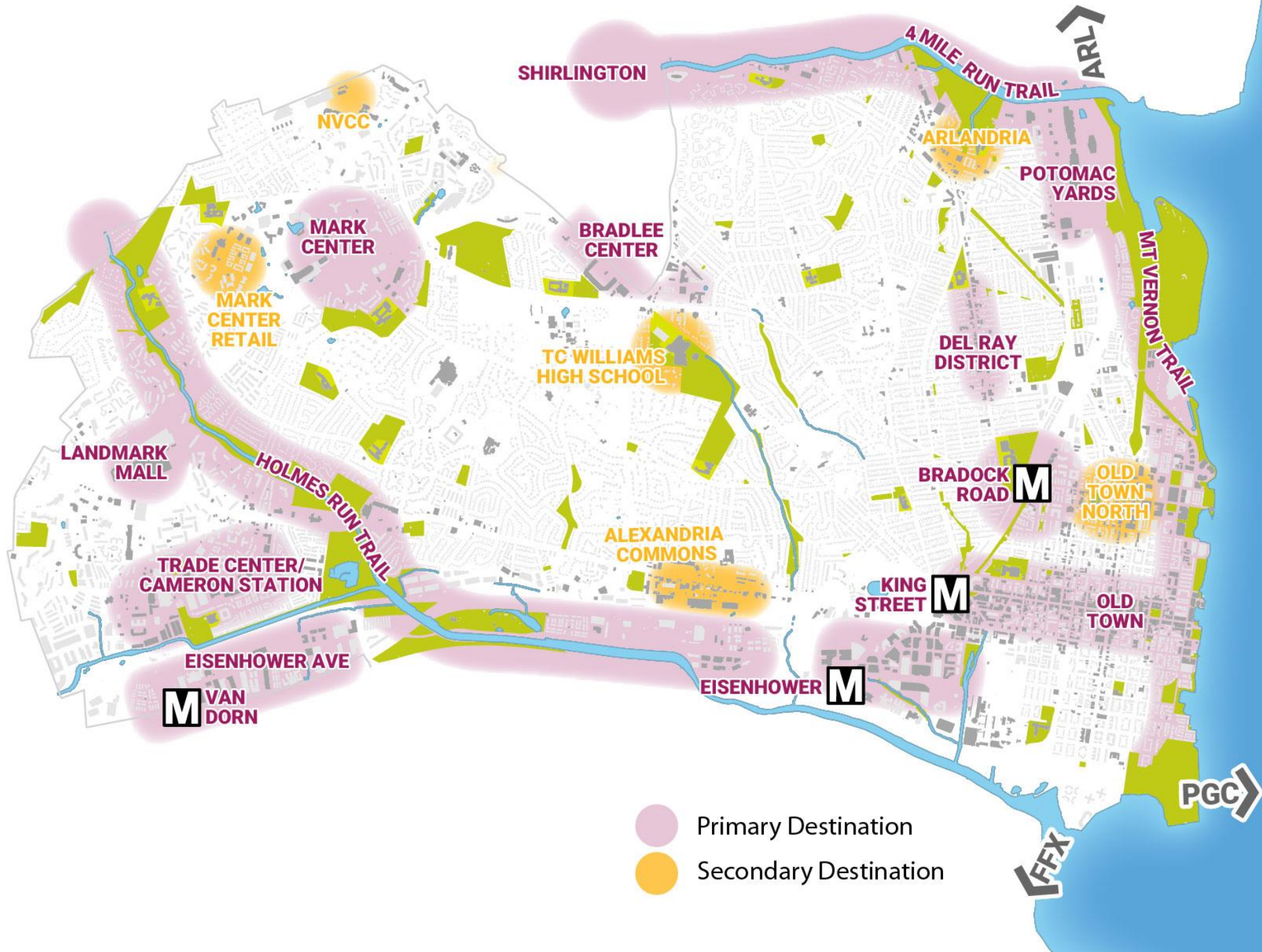
...Create a citywide network that enables safe bicycle travel **in and between all City neighborhoods** and from Alexandria to **key destinations** and bicycle facilities in neighboring jurisdictions.

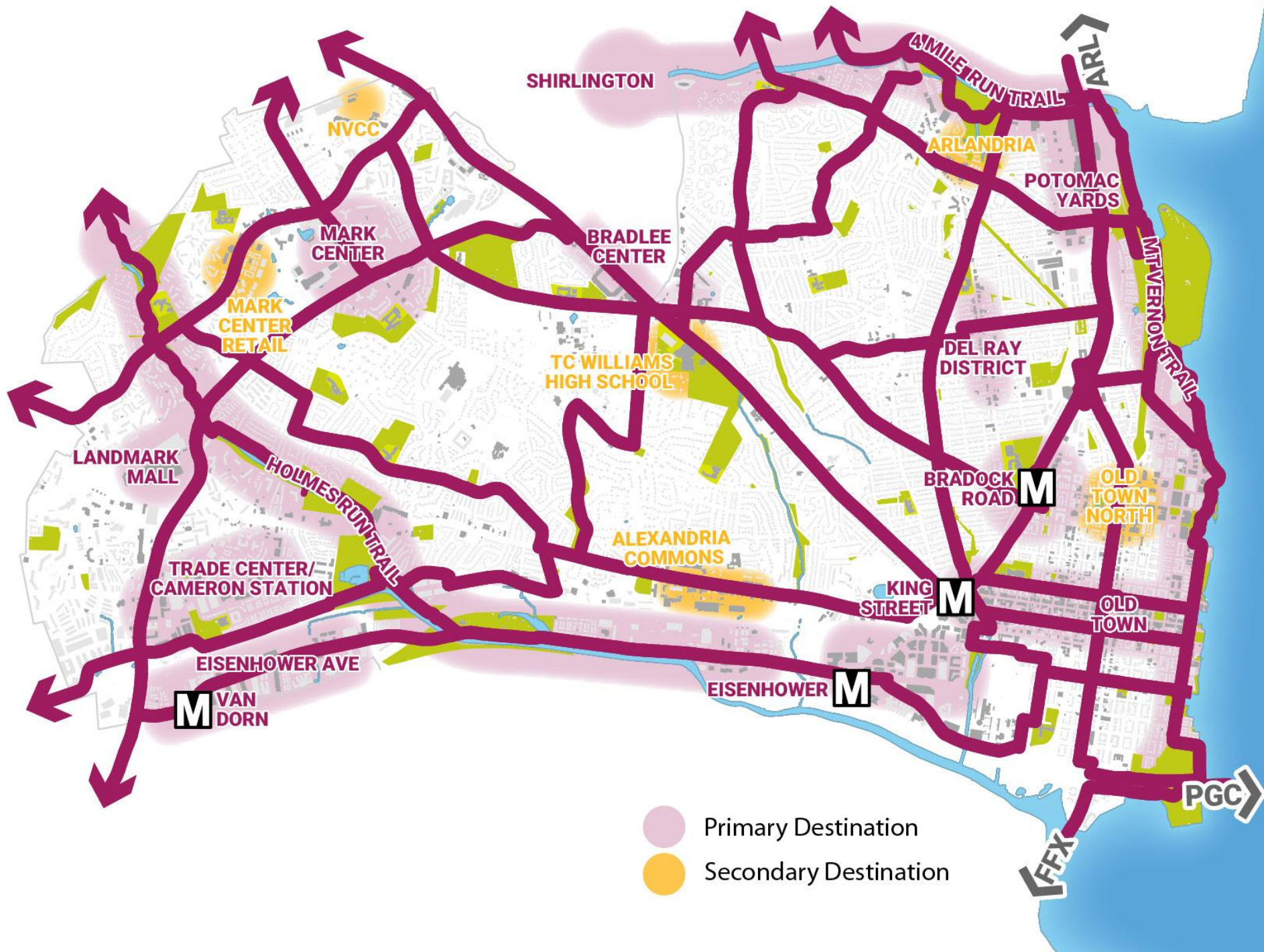
Draft Bicycle Network – Public Outreach and Planning Process

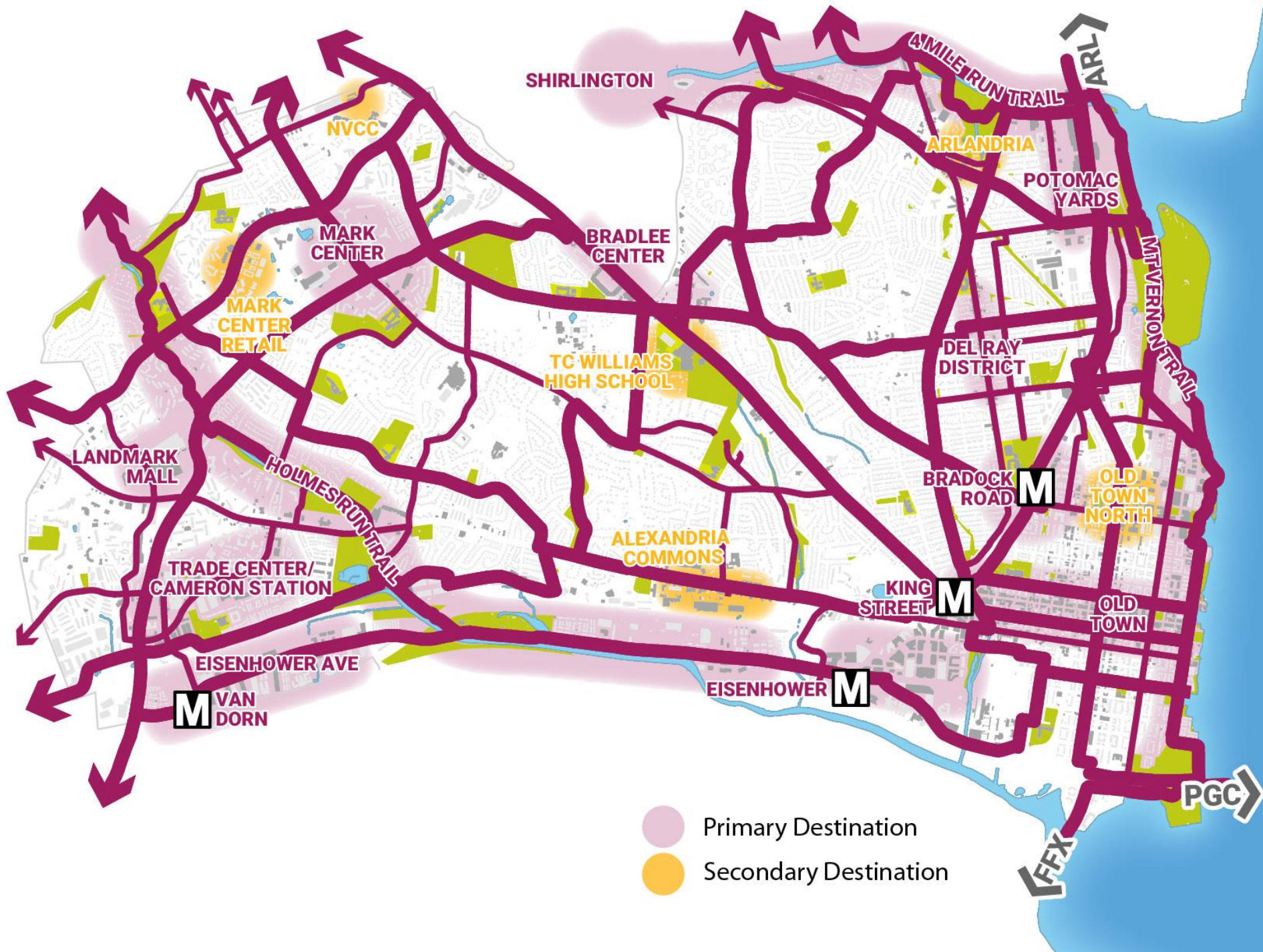


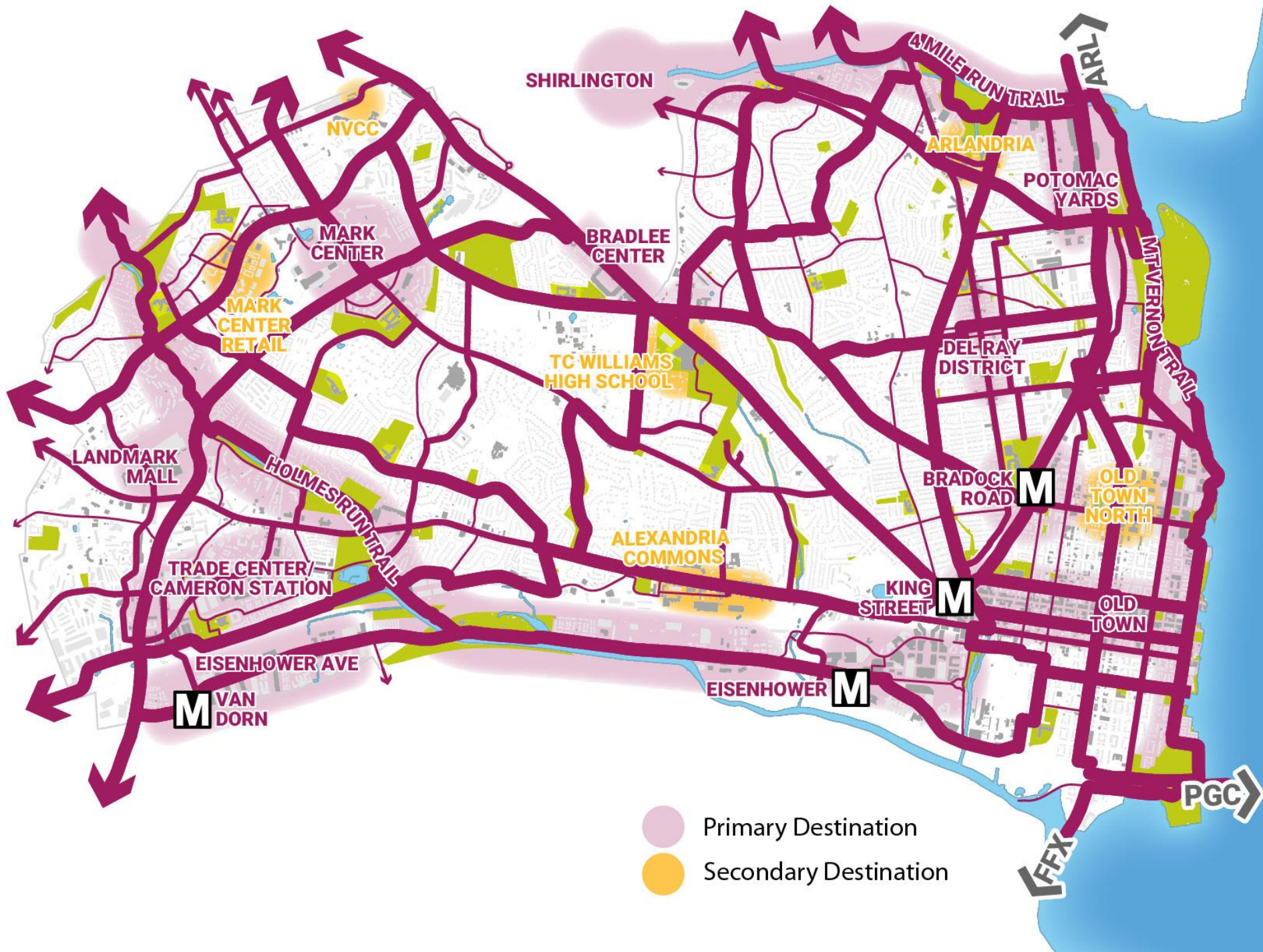
- Online survey and crowdsourcing map (over 800 responses)
- Six community meetings
- Network shows connectivity, not specifically design projects, planning level tool
- High priority elements within network examined more closely, to be included in the draft plan
- Strategies to be reviewed by Ad Hoc Group Summer 2015









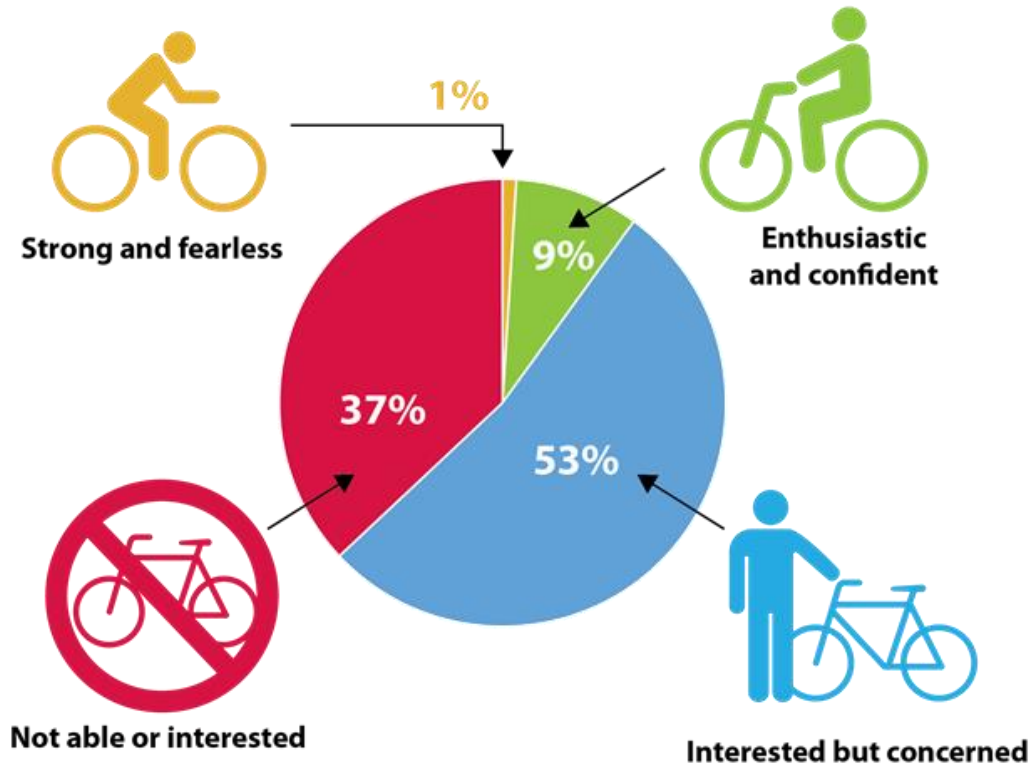


Draft Bicycle Network

Vision, Goals and Objectives:

Bicycle Vision Statement:

...The City provides a network of facilities that link important destinations and appeal to bicycle riders **of different ages and abilities**...



Draft Bicycle Network



Bicycle Facility Groups

- Enhanced Bicycle Corridor
- Shared Roadway
- Trails

Specific designs will be determined case-by-case for future projects.

Enhanced Bicycle Corridor



**2-way Separated
Bicycle Lane**



**1-way Separated
Bicycle Lane**



Buffered Bike Lanes



↑ **Sidepath** ↑

Enhanced Bicycle Corridor



↑ **Standard Bicycle Lane** ↓



Painted Bike Lanes



Advisory Bike Lane

Shared Roadway



Shared Roadway



Signed Route on Shared Roadway



Shared Lane Markings



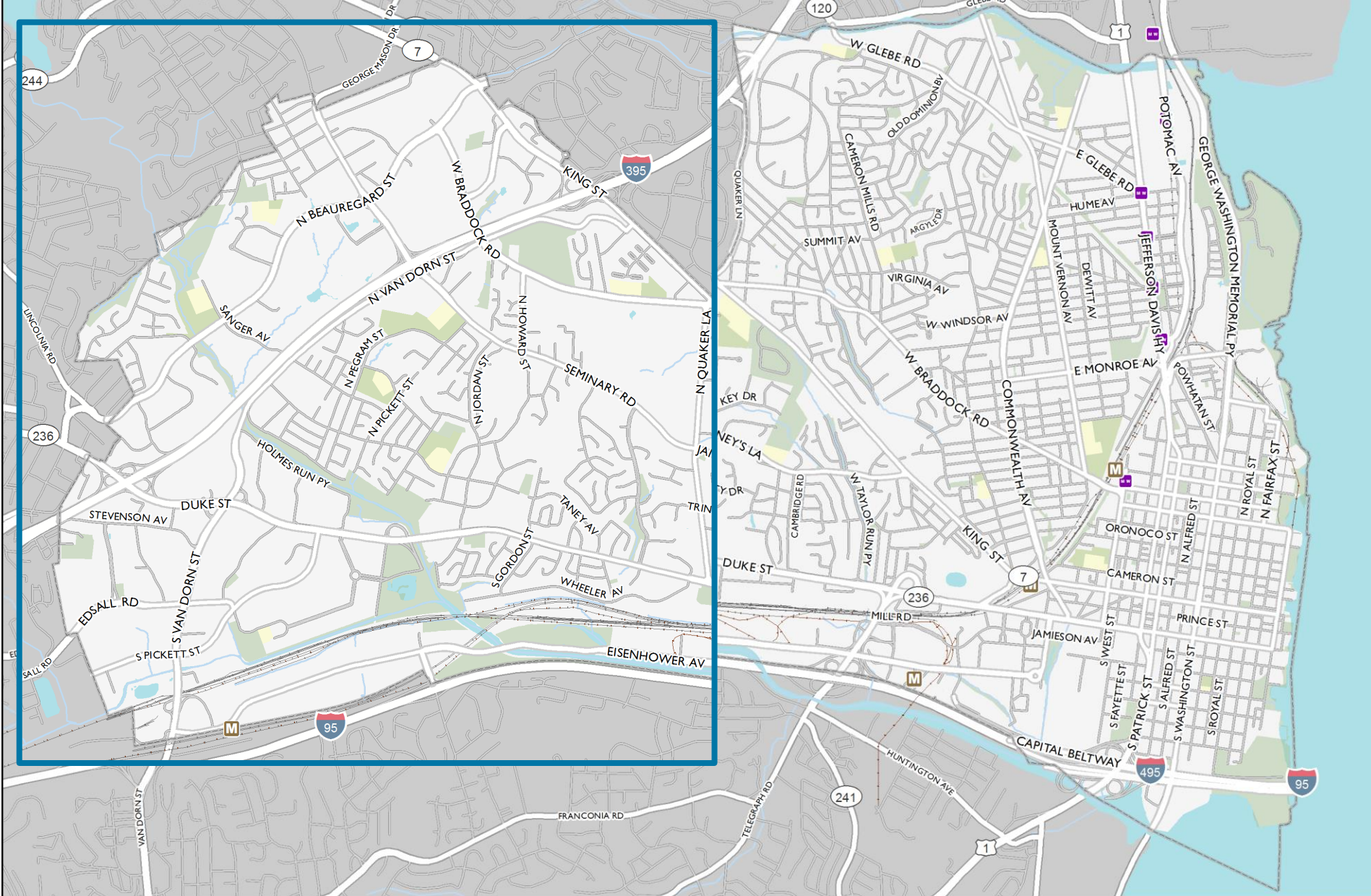
Priority Shared Lane Markings



Neighborhood Bikeway

Trails





City of Alexandria, Virginia



Department of Transportation and
Environmental Services

DRAFT
Bicycle Facility Recommendations
Alexandria Pedestrian and Bicycle Master Plan

M Metro Station
■ Metroway Stop

Date: 3/18/2015

0 750 1,500 3,000



Existing Bicycle Facilities: Western Alexandria

Existing Facilities

Bike Lane

Sharrow

Trail

Unpaved Nature Trail

M

Metro Station

M W

Metroway Stop

Future Street

00.1250.250.5

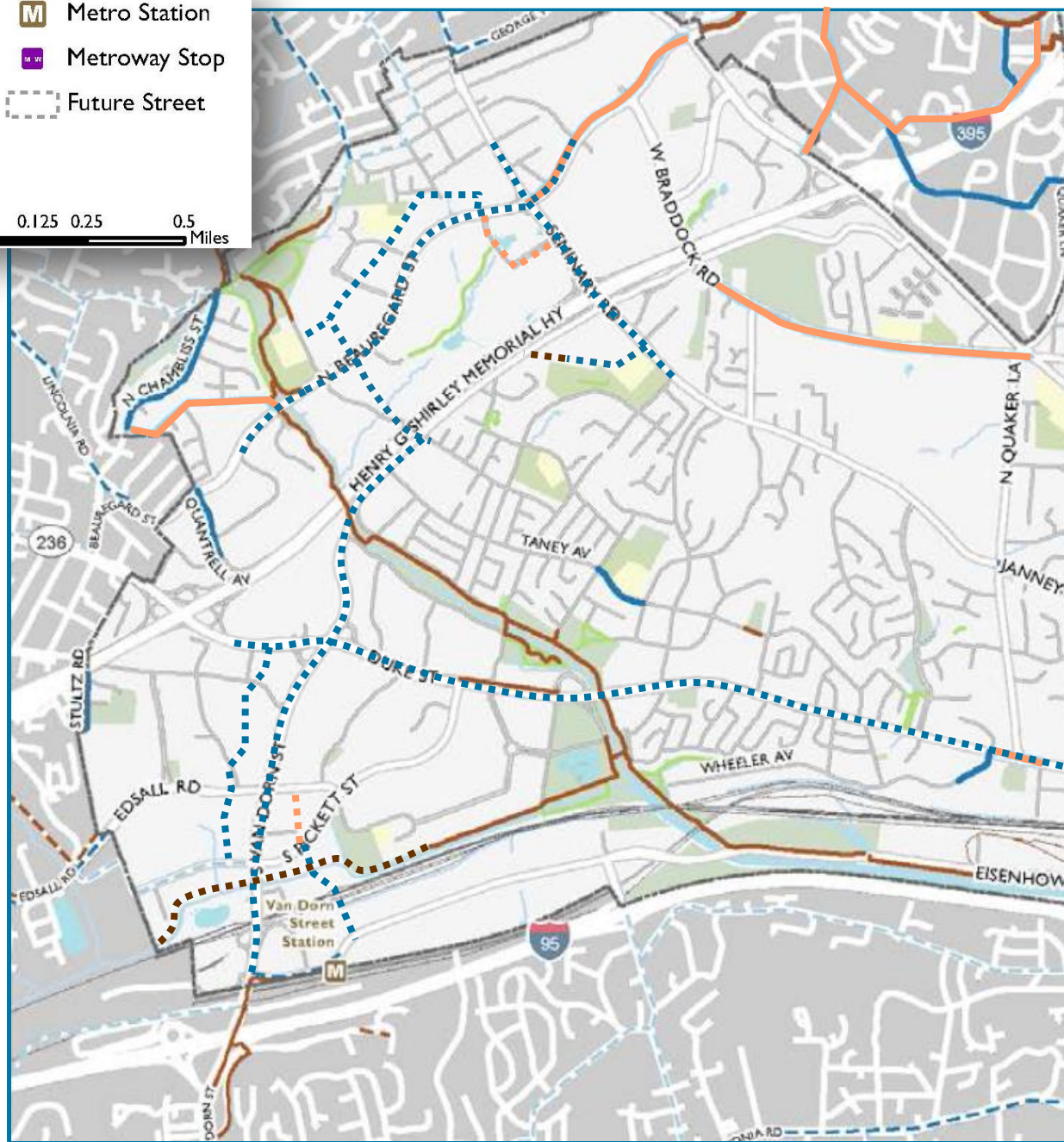
Miles

This map illustrates the existing bicycle infrastructure in Western Alexandria, Virginia. The map includes a legend in the top-left corner defining the following facilities:

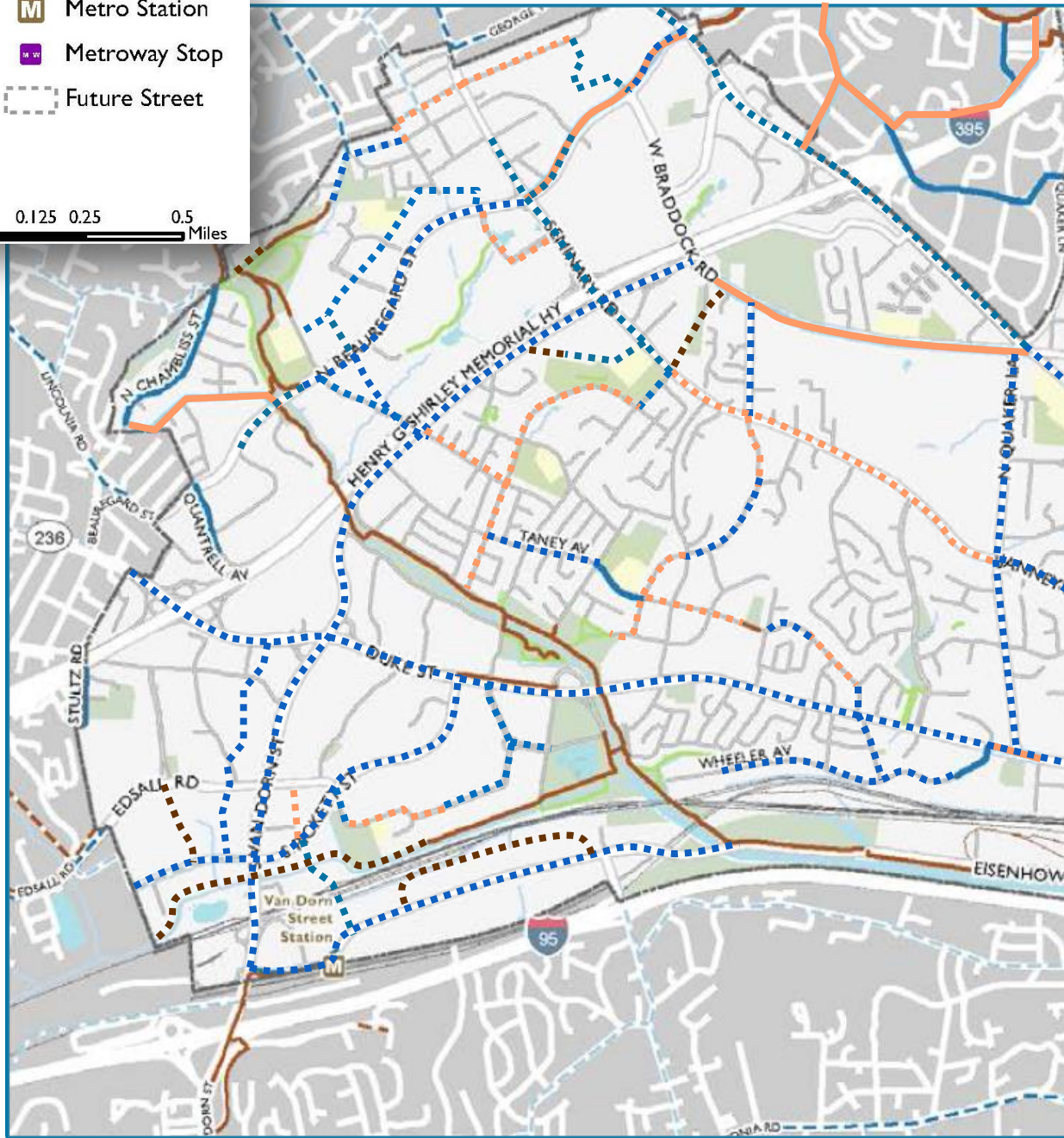
- Bike Lane:** Represented by a solid blue line.
- Sharrow:** Represented by a solid orange line.
- Trail:** Represented by a solid dark red line.
- Unpaved Nature Trail:** Represented by a solid light green line.
- Metro Station:** Indicated by a brown square with a white 'M'.
- Metroway Stop:** Indicated by a purple square with a white 'M W'.
- Future Street:** Represented by a dashed grey line.

A scale bar at the bottom of the legend indicates distances of 0, 0.125, 0.25, and 0.5 miles. The map shows a network of streets including N Beauregard St, N Chandler St, N Quaker Ln, Seminary Rd, W Braddock Rd, Henry G Shirley Memorial Hwy, Taney Av, Duke St, Wheeler Av, Eisenhower Blvd, S Van Dorn St, S Pickett St, Edsall Rd, and Stultz Rd. Key landmarks include the Van Dorn Street Station (Metro Station) and the intersection of I-95 and I-395. The Potomac River is visible along the southern edge of the map.

City Approved Plan Recommended Bicycle Facilities: Western Alexandria





2008 Pedestrian Bicycle Mobility Plan Recommended Bicycle Facilities: Western Alexandria





DRAFT Recommended Bicycle Network: Western Alexandria

Coverage

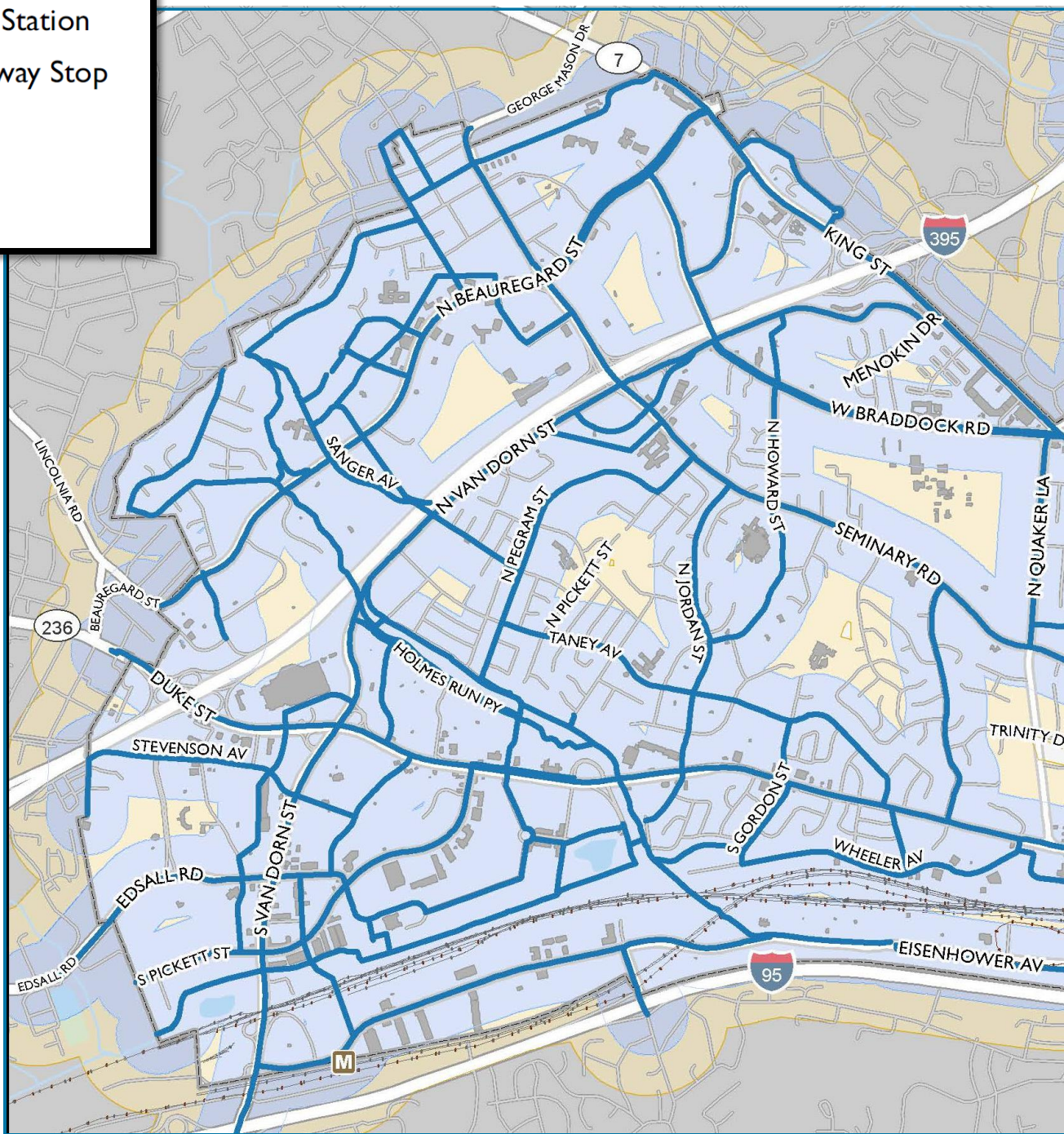
 1/8 mile

 1/4 mile

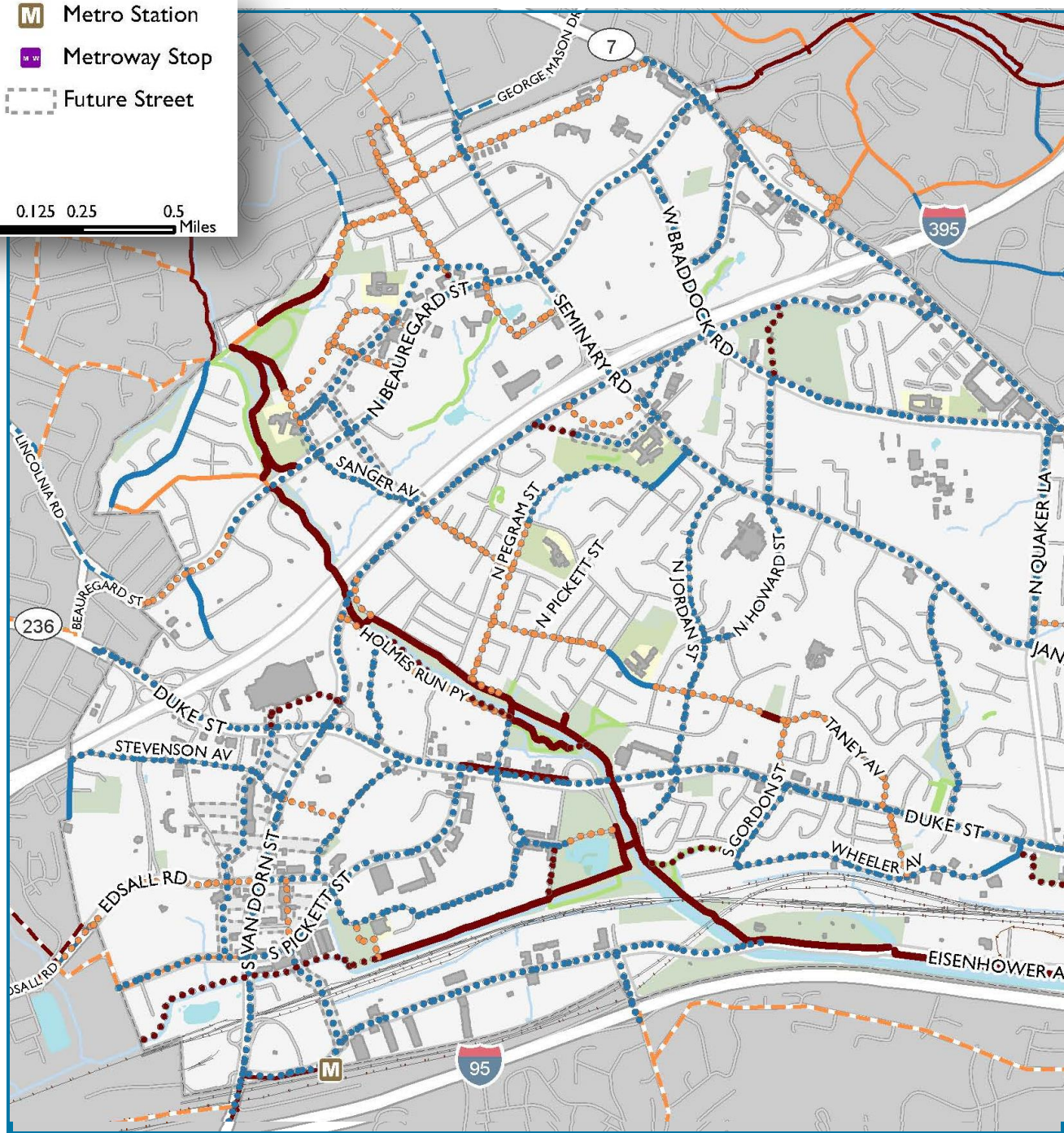
Recommended
Bicycle Network (DRAFT)

 Metro Station

Metroway Stop



DRAFT Bicycle Facilities: Western Alexandria





Committee Discussion:

- 1) Are there clarifying questions about the planning process for the bicycle network?
- 2) Are there areas or destinations with missing connections?

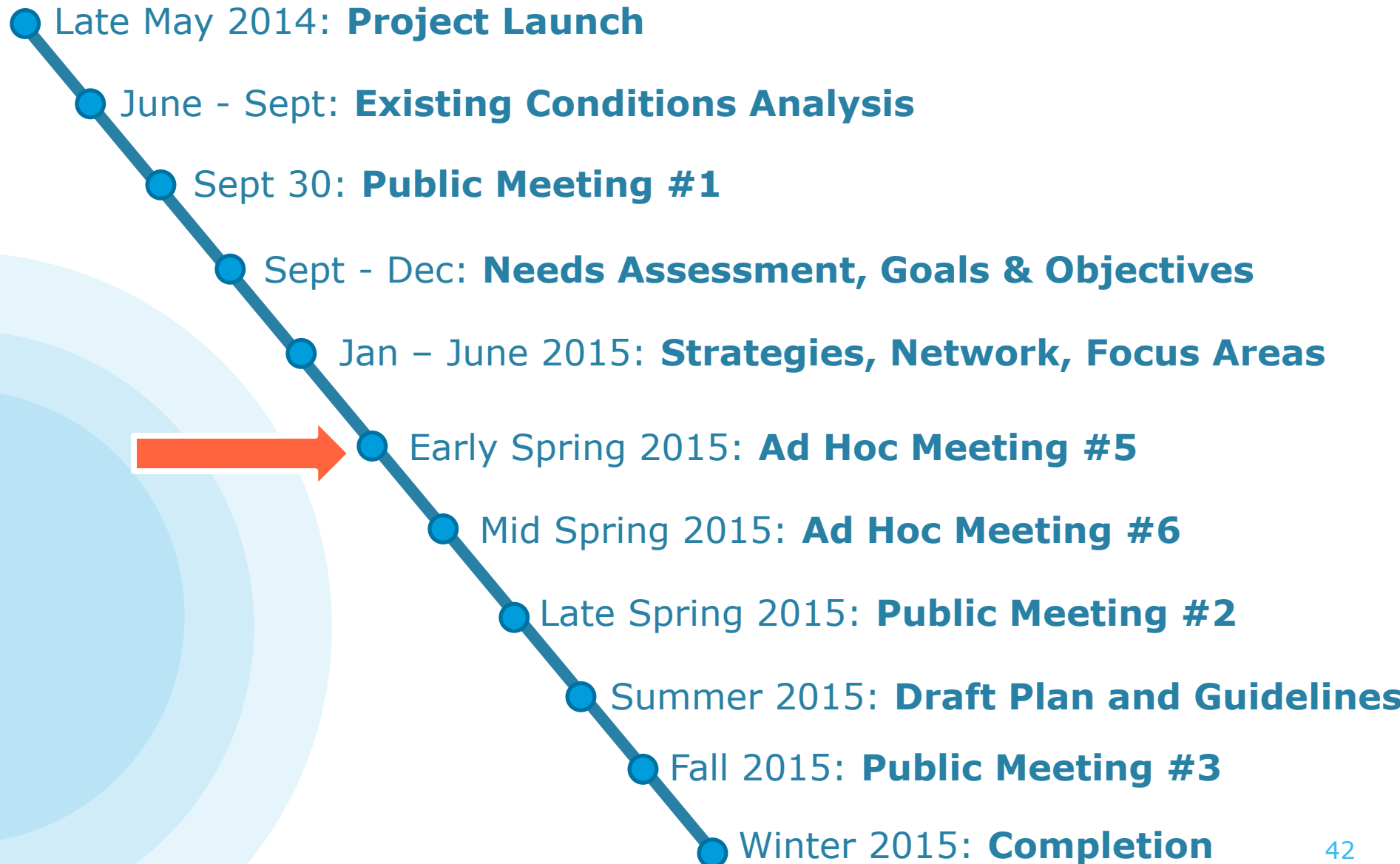


Public Comment



Committee Member Updates

Next Steps





Thank You!

www.alexandriava.gov/pedbikeplan

